ÖKO_FAVORIT 8081/8081 i ÖKO_FAVORIT 8081 E

Lavavajillas Máquina de lavar loiça Dishwasher

Instrucciones para el uso Instruções de manejo Operating instructions

Dear customer!

Before you operate your dishwasher, please read through these operating instructions carefully. They contain important information for your safety as well as operation and maintenance of your machine.

For this small trouble, your dishwasher will reward you with faultless performance.

Should your dishwasher ever have a fault, please look it up in the section on "If you think your dishwasher is not working properly". In many cases, you can rectify minor faults yourself and thus save yourself unnecessary service costs.

Keep the operating instructions in a safe place for future reference, and give them to any future owners of your dishwasher.

Contents

Safety instructions	88/89
Disposal	
Disposing of the packaging Disposing of your old machine	90 90
Important hints to help you use your dishwasher correctly	
Operating your dishwasher economically and with regard for the environment	91
Unsuitable crockery	91
Crockery that may be suitable for your dishwasher	91
Machine description	
Machine appearance	92/93
Control panel	94/95
Programme chart	96/97
Using your dishwasher for the first time	
Before using your dishwasher for the first time Setting the water softening system	98
Filling with special dishwasher salt	98/99 100/101
Filling with rinse aid	100/101
Setting the rinse aid quantity to be dosed	103
Filling with detergent	103/104
BIO dishwashing programmes and low-alkaline compact powders	105
65 °C AUTO and 50 °C AUTO BIO dishwashing programmes	105
Loading your dishwasher correctly	106
Lower basket Cutlery basket	107
Upper basket	108 109/110
Switching on/off	100/110
Setting the dishwashing programme	111/112
Sensorlogic	112
Preselecting the start time	113
Switching off/unloading your dishwasher	113
Cleaning and care	
Caring for your dishwasher Cleaning the strainers	114
<u> </u>	114/115
If you think your dishwasher is not working properly	116/117
Customer service	118
Hints for test centres	119
Technical data	120
Installation	
Installing your dishwasher	121/122
Connection Water protection outstand	123/124
Water protection system Electrical connection	125
Connection technology	125 126/127
Some State Contrology	126/127

IHV-12 GB/EU

Safety instructions

The safety of AEG electrical appliances conforms to accepted rules of technology and the Appliance Safety Act. We as manufacturers, however, see ourselves as being obliged to familiarise you with the following safety instructions.

Using your dishwasher for its intended purpose

- Only use your dishwasher for machine washing of household crockery. If your machine is misused or used for any purposes other than that for which it is intended, the manufacturer cannot be held liable for any damage caused.
- ☐ For safety reasons, you should not convert or modify your dishwasher in any way.

Before using your dishwasher for the first time

- ☐ Check your dishwasher for any transport damage. Never connect a damaged machine. If your dishwasher is damaged, you should contact your supplier.
- ☐ Your dishwasher must be correctly installed and connected. Please read the section on "Installation" to make sure you know all about this.
- ☐ Before using your dishwasher for the first time, do not forget that the nominal voltage and current type indicated on the rating plate of your machine must be the same as the nominal voltage and current type at the installation site. The necessary electrical fusing is also given on the rating plate.
- ☐ Multiway plugs, joints and extension cables must not be used.

Child safety

- ☐ Pointed knives and items of cutlery with sharp edges must be lain in the upper basket or placed in the cutlery basket with the point facing downwards.
- ☐ Packaging parts (e.g. foils, styrene foam) may be dangerous for children, as it could lead to suffocation! You should therefore keep all packaging well away from children.
- ☐ Children may not recognise the dangers of improper use of electrical appliances. You should therefore ensure proper supervision during operation and not allow your children to play with your dishwasher.
- ☐ Detergents may have a caustic effect on eyes, mouth, and throat and may even cause suffocation! Keep all detergents in a safe place out of children's reach.
- ☐ The water in your dishwasher should not be used for drinking. Detergent residues may still be present in your machine. Make sure you do not splash these caustic residues onto your skin or suffocate yourself! Keep children well away from your dishwasher when its door is open.

Your dishwasher in day-to-day use ☐ The water protection system ensures reliable protection against water damage. though this implies the following conditions being fulfilled: - The mains connection must be retained even when your dishwasher is switched Off - Your dishwasher must be properly installed. - Always turn off the water tap if your dishwasher is left unattended for any length of time ☐ Never operate your dishwasher if the electrical supply lead, supply or drain hose, control panel, worktop, or plinth are damaged. ☐ In case of a fault, first turn off the water tap. Then switch off your machine and pull the plug out of the plug socket. If there is a fixed connection, switch off or unscrew the fuse(s). ☐ Never pull the plug out of the plug socket by the supply lead, but by the plug itself. ☐ Dishwasher repairs should only be performed by trained personnel. Improper repairs may seriously endanger the user. If your dishwasher needs to be repaired, you should contact our service centre or your retailer. ☐ If the connection lead of your dishwasher is damaged, it must be replaced by the special lead through your AEG-authorised service centre. ☐ Never place any solvents in your dishwasher, or you may cause an explosion! ☐ Do not rest or sit on the open door, or you machine could tilt. ☐ Before using special dishwasher salt, detergent, and rinse aid, make sure that the manufacturer of these products expressly specifies their use in domestic dishwashers. ☐ Always turn off the water tap when your dishwasher is left unattended for any length of time, e.g. when you are away on holiday. ☐ The dishwasher should only be transported upright. Any tilting during transport may lead to salt water flowing into the dishwasher, which could result in

rustina.

Disposal

Disposing of the packaging

Our dishwashers require effective protective packaging in transit, though we always confine ourselves here to what is absolutely necessary.

Warning! Packaging parts (e.g. foils, styrene foam) may be dangerous for children, who could even be suffocated! You should therefore keep all packaging well away from children.

All used packaging materials are environmentally friendly and reusable.

The cardboard parts are produced from recycled paper, and the wood parts are untreated.

The plastics are marked as follows:

>PE< for polyethylene, e.g. packaging foils

>PS< for polystyrene, e.g. padding (basically CFC-free)

>POM< for polyoxymethylene, e.g. plastic clamps

By recycling and reuse of the packaging, raw materials can be saved and the volume of refuse reduced.

Give the packaging for reuse to your local recycling centre. Your municipal or local authority will give you its address.

Disposing of your old machine

When your machine needs replacing and you withdraw it from service, you should render it unserviceable before having it disposed of.

Warning! Children at play could lock themselves in your machine (and suffocate) or otherwise endanger their lives. Therefore pull out the mains plug and detach and discard the electrical supply lead. Disable the door lock so that the door no longer closes.

Marking of plastic parts for graded recycling:

All plastic parts in your machine are marked with internationally standardised abbreviations (e.g. >PS< for polystyrene). When your machine is disposed of, this enables plastic waste to be sorted into individual types for environmentally conscious recycling.

Take your decommissioned machine to your local recycling centre or dealer, who will take it back from you for a small handling charge.

Important hints

Operating your dishwasher economically and with regard for the environment

Connect your dishwasher to the hot water supply if you have a modern hot water system. For electrically heated installations, you are recommended to connect your dishwasher to the cold water supply.

Do not pre-rinse your dishes under running water.

Collect your dirty dishes, stack them in the dishwasher, and only wash them when both baskets are full, making sure that the latter are never overloaded. Only then can you be sure that you are machine-washing economically and with regard for the environment.

However, should you ever wish to machine-wash at half load, the sensor logic electronically calculates precisely the amount of water you need and shortens the programme time. This allows you to achieve the best machine washing results at automatically the minimum water and energy consumption.

Always select the programme corresponding to the type of crockery and degree of soiling (see "Programme chart").

Never overdose detergent, special salt, and rinse aid. Follow the dosage recommendations in these operating instructions as well as the instructions given by the manufacturers of these products.

Make sure that the water softener is correctly set.

Unsuitable crockery

Sponges, household cloths, and all objects which can become saturated with water should not be cleaned in your dishwasher.

The following are unsuitable for machine washing:

- wooden boards or platters
- non-heat-resistant plastic parts
- lead crystal glass
- tin or copper items
- glued crockery or cutlery
- older types of cutlery with temperature-sensitive adhesive
- steel knives that are liable to rust
- cutlery with wood, horn, porcelain, and mother-of-pearl handles.

Crockery that may be suitable for your dishwasher

The following items have certain machine washing limitations:

- Only wash earthenware crockery in your dishwasher if the manufacturer has expressly indicated it as being suitable for that purpose.
- Some types of decoration which have been painted over the glaze may fade after frequent machine washing.
- Silver and aluminium parts tend to discolour during machine washing. Many food residues, such as egg white, egg yolk, mustard, often cause discolourations or staining on silver. Silver crockery and cutlery should therefore always be cleaned free from food residues if they are not washed immediately after a meal.
- Some types of glass may become cloudy after many washing cycles.

When buying new crockery and cutlery, confirm that they are dishwasher-proof. 91

Machine description

Machine appearance

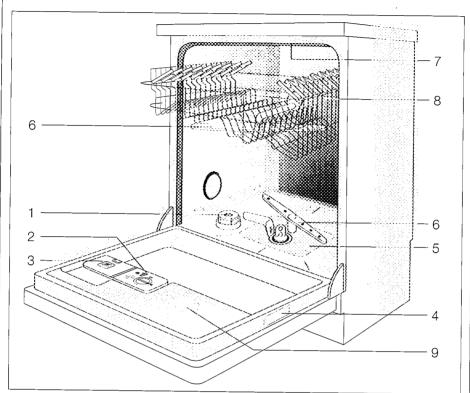
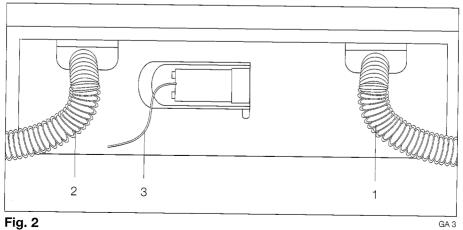


Fig. 1 GA 22



Inside view

- 1 Dishwasher salt container
- 2 Rinse aid dispenser
- 3 Detergent dispenser
- 4 Rating plate
- 5 Strainers
- 6 Spray arms
- 7 Ceiling spray
- 8 Rubber seal for connection of water supply to upper spray arm
- 9 Suction opening for drying

Rear view

- 1 Supply hose
- 2 Drain hose
- 3 Electrical supply lead

Machine description

Control panel

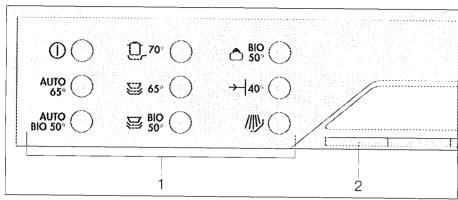


Fig. 3

BB 88 L

1 Buttons

Button with operating indicator

Programme buttons

The selected programme is indicated by the illuminated button symbol.

AUTO 65° 65°C Auto

AUTO 50°C Auto BIO

70°C Intensive

≥65° 65 °C Normal

BIO 50 °C Normal BIO

50 °C Economy BIO

→ 40° 40°C Quick

Extra pre-rinse

2 Turbo-drying air outlet

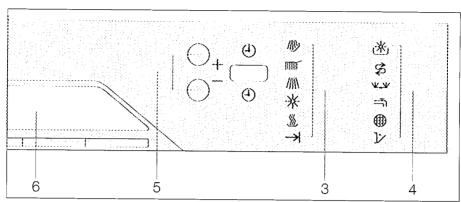


Fig. 3

BB 88 R

3 Programme cycle indicator

While the programme is running, the programme switch cycles forward, indicating the status of the programme in each step.

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Pre-rinse

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Rinsing with rinse aid

Washing with detergent



Drying

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Intermediate rinse

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Fnd

4 Messages

Illuminating messages have the following meanings:

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Replenish with rinse aid

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Replenish with dishwasher salt

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The upper spray arm is blocked

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Turn on water tap

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Clean strainers

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Close door

5 "+" button, "-" button, multidisplay

Set the "+" button for starting time/water hardness range (forward cycle) Set the "-" button for starting time/water hardness range (backward cycle) The multidisplay has various message functions:

- the running time of a programme (hours, minutes);
- any set starting time (hours);
- the set water hardness range (H0...H9);
- machine faults (e.g. C2).

6 Door release handle with flap

Programme chart

Washing programmes	Suitable for:	Press programme button:
65 °C Auto	Heavily to lightly soiled tableware and cookware with dried-on food residues.	AUTO 65°
50 °C/60 °C Auto Bio ¹⁾	Heavily to lightly soiled tableware also with fragile parts. If low-alkaline compact powders are used, also suitable for crockery with dried-on food residues, especially egg-white and starch.	AUTO BIO 50°
70 °C Intensive	Heavily soiled tableware and cookware with dried-on food residues, especially egg-white and starch.	<u></u> 70°
65 °C Normal	Normally soiled tableware and cookware with dried-on food residues.	₩ 65 °
50 °C/60 °C Normal BIO¹¹	Normally soiled tableware and cookware with fragile parts (e. g. glass, plastic). If low-alkaline compact powders are used, also suitable for crockery with dried-on food residues, especially egg-white and starch.	₩ BIO 50°
50 °C/60 °C Economy BIO ¹⁾	Normally to slightly soiled table, coffee, or dessert crockery and fragile glassware. Specially designed for using low-alkaline compact powders.	♣ BIO 50°
40 °C Quick	Quick programme for fragile glassware.	→ 40°
Extra pre-wash	Used crockery collected in the dishwasher for washing at a later time.	/

^{**}At the end of the "Washing with detergent" programme section, the dishwashing water is briefly heated to 60 °C to activate the active oxygen.

Programme cycle	Average programme duration ² in minutes for cold water connection	Average energy consumption ² in kWh for cold water connection	Average water consumption ² in litres
(Pre-wash) Washing with detergent (2 x) Intermediate rinse Final rinse with rinse aid Drying with hot air	70–102 ³⁾	1.0–1.5 ³⁾	10–19 ³⁾
(Pre-wash) Washing with detergent (2 x) Intermediate rinse Final rinse with rinse aid Drying with hot air	73–102 ³⁾	0.9–1.33)	10–19³ ⁾
Pre-wash Washing with detergent (2 x) Intermediate rinse Final rinse with rinse aid Drying with hot air	103	1.6	19
Pre-wash Washing with detergent Intermediate rinse Final rinse with rinse aid Drying with hot air	95	1.3	15
Pre-wash Washing with detergent Intermediate rinse Final rinse with rinse aid Drying with hot air	95	1.15	15
Washing with detergent Intermediate rinse Final rinse with rinse aid Drying with hot air	83	1.15	11
Washing with detergent Intermediate rinse Final rinse with rinse aid	39	0.8	11
Pre-wash	12	0.1	4

Values have been determined under normal conditions for 12 place settings. Deviations are possible under practical conditions.

On the AUTOMATIC programmes, the turbidity of the dishwashing water is used to determine how heavily your crockery is soiled. If your crockery is heavily soiled, your dishwasher runs the programme sections in parentheses. If your crockery is lightly soiled, your dishwasher omits these programme sections. The programme duration and water and energy consumption on the AUTOMATIC programmes may therefore vary.

Before using your dishwasher for the first time

To ensure protection of the crockery baskets during transport, we have packed them with clamps. Please remove all clamps before operating your dishwasher.

When your new dishwasher is correctly set up and installed, you must first make it ready for use.

Before using your dishwasher for the first time, proceed as follows:

- set the water softener;
- fill the special salt container with special salt:
- fill the rinse aid dispenser with rinse aid.

The following sections give you more detailed information on the individual points.

Setting the water softening system

Soft (low-lime) water is necessary for machine washing to avoid lime deposits on crockery and in your dishwasher. Tap water with a hardness above 4 °d¹ (German degree) must therefore be softened for machine washing.

For this purpose, your dishwasher is fitted with a water softener. The water softener is treated (regenerated) automatically and at regular intervals with salt solution. The salt consumption needed for regeneration thus depends on the local water hardness. Your competent water company will provide you with information about water hardness in your locality.

To ensure optimum regeneration of the water softener:

- the water softening system must be set to the local water hardness;
- the dishwasher salt container must always be filled with special salt.

To ensure minimum salt consumption with optimum washing results, your dishwasher is fitted with an electronic hardness range setting with 10 possible stages (H0 to H9).

Hardness range	Water hardness		Stage	
	in °d¹)	in mmol/²)	setting	
IV	51–70 41–50 33–40 29–32 25–28 21–24	9.1–12.5 7.3–9.0 5.8–7.2 5.1–5.7 4.4–5.0 3.7–4.3	H9 H8 H7 H6 H5 H4	
	17–20	3.0-3.6	H3*	
	13–16	2.3–2.9	H2	
<u> </u>	4–12	0.7-2.2	H1	
	below 4	below 0.7	H0 no salt necessary	

- 1) [°d] German degree, measure of water hardness
- 2) [mmol/I] Millimol per litre, international water hardness unit
- *) Factory setting
- ☐ Press and hold down simultaneously the "+" and "-" buttons while you switch on the appliance. The multidisplay then shows the level just then set. Should this not be the case, switch off the appliance and repeat as described.
- ☐ Set the water softener according to the following table to the stage pertaining to the water hardness in your locality. To do this, press the "+" button or "-" button.
- ☐ After setting the hardness stage, wait until the message in the multidisplay goes out (around 6 seconds). Only then is the setting permanently stored.
- ☐ Switch off the machine with the ON/OFF button.

 All illuminating indicators on the control panel go out.

How to operate your machine

Filling with special dishwasher salt

Important:

If the water hardness in your locality is below 4 $^{\circ}$ d, you need not fill your dishwasher with special salt.

Important note:

Use only special dishwasher salt. Other types of salt (e.g. cooking salt) often contain water-insoluble components which choke the water softener and may render it unserviceable.

Salt and detergent packs often look very much alike. Detergent inadvertently poured into the salt container will damage the water softener. Each time you fill it with special salt, make sure you are really holding a salt pack in your hand.

- ☐ Open the door, and take out the lower basket.
- ☐ Unscrew the cap of the salt container by turning it anticlockwise.

Only when using your dishwasher for the first time: Fill the salt container with around 0.5 litre of water.

- ☐ Place the funnel supplied on the opening of the salt container.
- ☐ Fill the salt container with special salt through the funnel. The container holds around 1.0–1.5 kg depending on the salt grain size. Do not overfill the container.

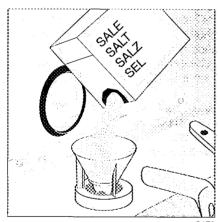


Fig. 4

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	Clean the container opening so that no salt residues exist.
	Screw the cap back on clockwise. The cap must be tightly closed, since salt
	will otherwise find its way into the rinse water and may make your glasses
	cloudy.
$\overline{}$	If you do not wook your group along impropriately after filling with self-

☐ If you do not wash your crockery immediately after filling with salt, run the PRE-WASH programme to rinse away any salt water and salt grains that have been spilt.

Salt replenishment indicator

You must replenish special salt when the control panel shows the illuminated message \$\mathref{\mathref{S}}\$. After replenishment, the illuminated message goes off in some circumstances only after one to two programme cycles.

How to operate your machine

Filling with rinse aid

The rinse aid ensures that the last rinse water flows off, leaving no drops, and gives your crockery its final sparkle. During a washing programme, rinse aid is automatically dispensed from the dispenser.

Important note:

Use only a branded rinse aid for domestic dishwashers. Other agents, e.g. vinegar essence, may damage your machine and do not produce the desired effect. Detergent (also liquid detergent) inadvertently poured into the dispenser will damage your machine.

The rinse aid dispenser is located inside the door.

- Open the door.
- ☐ Open the dispenser by twisting the cap 1/4 revolution anticlockwise.
- ☐ Fill with rinse aid max. up to the dotted line. The maximum capacity is around 150 ml.

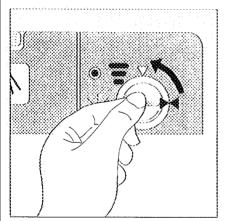


Fig. 5

KLE 1 (1)

Fig. 6

KLE 3 (1)

- ☐ Then close the cap again by twisting it clockwise.
- ☐ Wipe off any spilt rinse aid with a cloth, otherwise too much foam will be produced during washing.

Rinse aid replenishment indicator

You must replenish rinse aid when the control panel shows the illuminated message 🔆.

Setting the rinse aid quantity to be dosed

The dispensing unit is located inside the filling opening of the rinse aid dispenser. You can use it to set the rinse aid quantity on a scale of 1–6 corresponding to a 1–6 cm³ rinse aid addition. The rinse aid dosage is factory-set to "4". At this setting, there is sufficient rinse aid in the full dispenser for around 40 washing programmes.

You should adjust the amount dispensed if you discover imperfect crockery results (see the section on "If you think your dishwasher is not working properly").

- ☐ To set the dose, open the dispenser by twisting the cap 1/4 revolution anticlockwise (Fig. 5).
- ☐ Set the dose selector to the required position with a screwdriver.

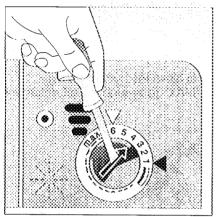


Fig. 7

LD 1 (2)

- $\hfill\Box$ Then close the cap again by twisting it clockwise.
- ☐ Wipe off any spilt rinse aid with a cloth.

Filling with detergent

Important! Never use conventional washing-up liquids. The latter cause heavy frothing, may even imply a loss of machine function, and the dishes will not be cleaned. Use only branded dishwasher detergent for domestic dishwashers. Always store the detergent in a dry place in a sealed container. Lumpy detergent will not clean dishes.

Before starting a washing programme (except "Pre-wash"), you must fill the detergent dispenser with dishwasher detergent powder. The detergent is automatically dispensed during the programme.

How to operate your machine

Recommended dose for fully loaded baskets:

	Normally soiled	Heavily soiled, especially with starch and fat
Dishwashing powder	around 20 ml	around 30 ml
Dishwashing liquid	around 30 ml	around 40 ml
Tablets	1	1

When washing smaller crockery loads, you should dose correspondingly less detergent.

Detergents may vary in terms of their effectiveness. You should therefore follow the dosage recommendations of each detergent manufacturer.

The detergent dispenser is located inside the door. If the lid is closed:

- ☐ Press the cap lever forwards (Fig. 8/1). The lid will spring open.
- ☐ Fill the detergent dispenser with detergent.

The marking lines are intended to help you achieve the correct dosage.

"MIN" corresponds to around 30 ml and "MAX" to around 40 ml detergent when filled level.

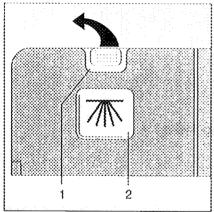


Fig. 8

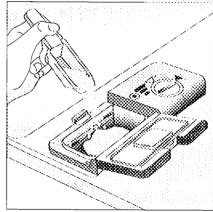


Fig. 9

☐ Press the lid shut until the cap engages.

When washing heavily soiled crockery, you have the option of putting additional detergent in the cap dispenser (Fig. 8/2). Fill the cap level. This detergent will be already effective during Pre-wash.

BIO dishwashing programmes and low-alkaline compact powders

On the basis of their chemical composition, dishwasher detergents can be classified into two basic groups:

- conventional, alkaline detergents with caustic components;
- low-alkaline compact powders with natural enzymes.

The enzymes in low-alkaline compact powders have a dirt-dissolving effect and are also more readily biodegradable. These enzymes deploy their full dirt dissolving power within a temperature range of 40–55 °C. In BIO washing programmes, the temperature range and duration of the heating phases are precisely matched to the dirt-dissolving properties of the enzymes.

In combination with low-alkaline compact powders, BIO washing programmes, at a temperature as low as 50 °C, therefore achieve the same cleaning results that would otherwise be achievable only with 65 °C programmes.

On BIO programmes, the wash water is briefly heated to 60 °C to activate the active oxygen.

The lack of any caustic components in low-alkaline compact powders and the lower cleaning temperature of BIO washing programmes not only relieve the environment, but also care for your crockery.

Detergent tablets

Detergent tablets of different manufacturers dissolve so slowly that they do not release their full dishwashing power in short programmes (without pre-wash). When using detergent tablets, you should therefore set normal programmes with pre-wash wherever possible.

65 °C AUTO and 50 °C AUTO BIO dishwashing programmes

On the AUTOMATIC programmes, the turbidity of the dishwashing water is used to determine how heavily your crockery is soiled. If your crockery is heavily soiled, your dishwasher runs a pre-wash and 2 x intermediate rinse cycle. If your crockery is only lightly soiled, your dishwasher runs only an intermediate rinse cycle without pre-wash.

This ensures that your crockery is always optimally cleaned at a low water and energy consumption.

Loading your dishwasher correctly

Before loading your machine with dishes:

- remove larger food residues that are not soluble in water, such as e.g. fishbones, other bones, etc.;
- pans with burnt-on food residues should be pre-soaked in water.

Proper arrangement ensures perfect washing results.

Arrange all hollow containers, such as cups, glasses, saucepans, etc., with the opening facing downwards.

Make sure that no water can collect in the recesses.

Basically arrange crockery and cutlery so that they do not lie inside each other and each item has good contact with the washing water.

Glasses should not touch each other so that glass damage is avoided and no stains are retained during drying.

Make sure that small items cannot fall through. You are recommended to place small objects (e.g. lids) in the cutlery basket.

The easiest way to load the baskets is from back to front.

Important! Tall crockery or cutlery or that which projects downwards out of the baskets may obstruct the spray arms. This will seriously impair the washing results. Before starting a washing programme, check that the spray arms freely rotate. Arrange the crockery around them as appropriate.

Lower basket

Load large and heavily soiled dishes in the lower rack.

To make it easier to arrange larger dishes, on some dishwasher models the two rows of prongs for the right-hand plate insert can be folded down:

1. Slightly lift the right plate insert.

2. Fold the plate insert to the left.

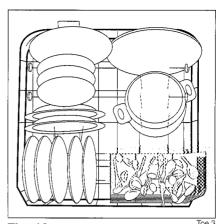


Fig. 10

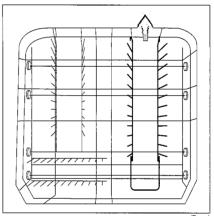


Fig. 11

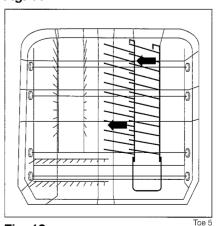


Fig. 12

Loading your dishwasher correctly

Cutlery basket

Place knives, forks, and spoons in the cutlery basket with their handles pointing downwards.

Arrange cutlery loosely and distribute it in all compartments so that each individual article has good contact with the washing water. Also do not arrange spoons and forks with their dirty side in contact with each other.

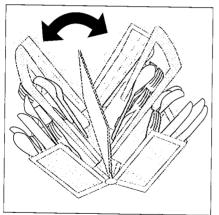
To prevent cutlery from falling on to each other, you can place the grid insert on the cutlery basket. Then arrange the cutlery in the grid.

Important! Exceptionally long cutlery, such as soup ladles, kitchen knives, or the like, may obstruct the upper spray arm. Such cutlery can be placed in the upper basket.

To unload your dishwasher more easily, you can take the cutlery basket out of the lower basket and unfold it. This makes it easier to remove small pieces of cutlery. If you use the grid insert, you cannot unfold the cutlery basket.

Important note! To prevent the full cutlery basket from inadvertently unfolding when being taken out, place your hand right round the two-piece handle and hold it firmly.

Place the cutlery basket on a firm support (table, worktop) and unfold both handle parts.





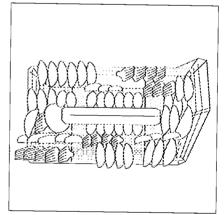


Fig. 14

☐ After unloading, fold back both handle parts.

BK 1

Upper basket

Smaller, more fragile dishes are given a gentle wash in the upper basket.

- ☐ Draw out the upper basket to its fullest extent.
- ☐ Arrange small crockery items, such as saucers, cups, glasses, and fragile plastic parts, in the upper basket.

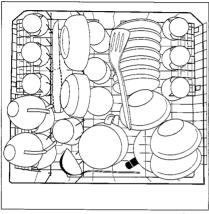


Fig. 15

OK 1 (3)

Arrange items inserted on and under the hinged cup holders in staggered formation to ensure a thorough cleaning action on all sides. To insert tall items, the hinged cup holders can be folded up. You can incline or suspend wine, champagne, and brandy glasses in the recesses of the hinged cup holders. Both rows of glass-holding prongs on the left are also suitable for inclination of glasses, beakers, etc.

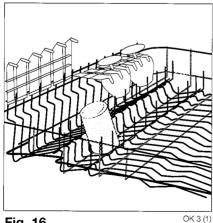


Fig. 16

☐ After loading, re-insert the upper basket to its fullest extent.

Loading your dishwasher correctly

Upper basket adjustment

The upper basket is height-adjustable.

The top position of the upper basket allows insertion of crockery with a height of 22 cm in the upper basket and 31 cm in the lower basket.

The bottom position of the upper basket allows insertion of crockery with a height of 24 cm in the upper basket and 29 cm in the lower basket.

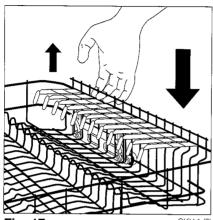


Fig. 17

(V 1 (2

Height adjustment is also possible when the baskets are loaded. Proceed as follows:

To lower the basket:

- ☐ Draw out the upper basket to its fullest extent.
- ☐ Lift and lower the upper basket on the RH side.

To raise the basket:

- ☐ Draw out the upper basket to its fullest extent.
- ☐ Lift the upper basket on the RH side, pull it forward slightly, and let it engage in the upper position.

Switching on/off

Setting the dishwashing programme

- ☐ Check that you have arranged the crockery and cutlery in your dishwasher so that the spray arms are not obstructed.
- Close the door.
- ☐ Fully turn on the water tap, if it is off. A continuous-flow heater raises the wash water to the temperature your dishwasher needs.

Important! If a washing programme has been started despite the water tap being turned off (message WATER comes on), switch off your machine, turn on the water tap, and reset the washing programme.

Setting the dishwashing programme

- ☐ Press the ON/OFF button. All button inscriptions are illuminated.
- ☐ Press the programme button for the programme you require (see "Programme chart"). Only the lettering of the pressed button lights up. All programme steps executed by the selected dishwashing programme light up on the programme cycle indicator.

The multidisplay shows the running time which the selected programme is likely to need. During the programme cycle, the actual running time remaining until the programme end is continuously displayed. Example: 1.20 = 1 hour and 20 minutes until the programme end. The programme step just being executed respectively lights up on the programme cycle indicator.

Programme running time

A washing programme may have differently long running times.

The running time of a programme depends on several factors. Examples of such factors are: the temperature of the water supplied, the amount of crockery being washed, etc. During the programme cycle, the electronic system of your machine continuously verifies these factors and corrects the remaining running time as appropriate. The actually required running time is memorised. When you next wash your dishes with the same programme, the multidisplay indicates this memorized running time at the programme start. While the programme is running, the electronic system rechecks the factors and re-adapts the running time as appropriate.

Your machine is thus matched to the individual dishwashing practices of your household.

Programme correction

You can correct a mis-set dishwashing programme within 6 seconds of you last pressing a button by pressing another programme button.

Once a washing programme has started, you can make a correction only by resetting it.

☐ Press the ON/OFF button. All illuminating indicators on the control panel go out. The previous programme setting is cancelled.

Switching on/off



Caution! Hot steam may emerge when the door is opened. Take care you do not scald yourself! Open the door carefully.

☐ Reset the washing programme you require.

Interrupting the programme



Caution! Hot steam may emerge when the door is opened. Take care you do not scald yourself! Open the door carefully.

- ☐ A running washing programme is interrupted if you open the door.
- ☐ Reclose the door. The washing programme restarts from the position where it was interrupted.
- ☐ You should open the door during the programme cycle only when absolutely necessary (blocked spray arm). When you reclose the appliance, the penetrating air is strongly heated and expands. This may lead to programme cycle irregularities requiring service centre attention.

Sensorlogic

Should you wish to start your dishwasher with a half or reduced load of dishes, it features an intelligent Sensorlogic system with fuzzy control. Depending on the load, the Sensorlogic each time determines the necessary amount of water. A sensor then initially detects the necessary amount of water depending on the load of dishes. Few dishes and little soiling call for little water and vice versa. A sensor then measures the temperature transition when the water is being heated. This means a short heating time for a small load of crockery and a longer heating time for a large load.

These data are next evaluated by a so-called fuzzy logic system and the actual load of dishes thereby detected. In the subsequent programme cycle, your dishwasher now needs only the amount of water required for a perfect machine washing result – regardless of how your crockery is arranged. The power consumption and programme time are of course also correspondingly affected.

At half-load (6 standard place settings), you save up to 3 litres of water and 0.4 kWh power.

Preselecting the start time

With the start time preselection function, you can preprogramme the programme start time from 1 to 19 hours in advance.

- ☐ First switch on your dishwasher with the ON/OFF button.
- ☐ Then set the start time preselection function.

To do this, repeatedly press the "+" or "-" button several times until the multidisplay indicates the number of hours after which the programme should start (e.g. 8 h).

DELAY START lights up over the multidisplay.

Example:

Loading at 19.00; required programme start at 22.00. That means: 19.00 plus 3 hours to 22.00, i.e. setting the start time preselection to "3 h".

The set start time is counted back in hours in the multidisplay. The set programme starts when the display shows "0 h". The multidisplay then shows the running time until the programme end.

Important:

You can prolong or shorten the set start time at any time by pressing the "+" or "-" button. If you set the start time to "0 h", the selected programme starts immediately.

☐ Finally press the button of the programme you require.

Switching off/unloading your dishwasher Switching off

A programme has ended when END lights up in the programme cycle indicator.

 $\hfill\square$ Press the ON/OFF button. All illuminating indicators on the control panel go out.

When the programme has ended, the dishes should be left in the closed dishwasher for a further 15 minutes for complete drying and cooling. You can accelerate the drying and cooling phase by fully opening the door momentarily when the programme has ended and then leaving it ajar.

However, please note that if your machine is installed under a kitchen worktop, escaping steam may damage the worktop. Its underside must be protected against rising steam with aluminium foil as prescribed.

Unloading your dishwasher

Important note! Hot crockery is sensitive to shocks. You should therefore let your dishes cool before taking them out.

☐ First take out the dishes from the lower basket and then from the upper basket so that no water from the recesses in the crockery above can drip on to articles below and leave stains.

Appliance care

Clean the screen and controls of your dishwasher where necessary with a soft cloth and lukewarm water.

Important note! Never use commercially available furniture cleaners or aggressive detergents.

The spray arms do not need to be cleaned.

The tank lining, door seal and water inlet should be checked occasionally for pollution and when necessary cleaned.

Cleaning the strainers

The strainers on the floor of your dishwasher are to a major extent self-cleaning. You are nonetheless recommended to check the strainers from time to time and to clean them where necessary. Soiled strainers impair washing results.

- Open the door, and take out the lower basket.
- ☐ The strainer system of your dishwasher consists of 3 parts (coarse strainer, microfilter, and strainer panel). The system can be unlocked and removed using the handle of the microfilter.
- ☐ Turn the handle about 1/4 revolution anticlockwise and remove.

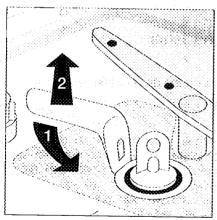


Fig. 18

 \square Hold the coarse strainer (1) by the lug and withdraw it from the microfilter (2).

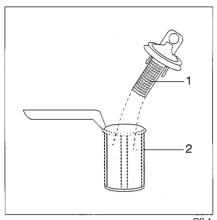


Fig. 19

- ☐ Thoroughly clean all strainers under running water.
- ☐ Remove the strainer panel (3) from the floor of your dishwasher and thoroughly clean it on both sides.

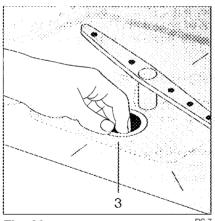


Fig. 20

- $\hfill\square$ Re-insert the strainer panel in the dishwasher floor.
- $\hfill\square$ Insert the coarse strainer in the microfilter and put together.
- ☐ Insert and lock the strainer combination by turning the handle clockwise. Make sure that the outer edge of the strainer panel rests correctly on the dishwasher floor.

Important note! Never carry out a washing programme without a strainer.

If you think your dishwasher is not working properly

Before calling our service centre, please check whether you can rectify the fault yourself by following the instructions given below. Should this information be of no assistance to you in a specific case, please contact our service centre.

☐ The programme will not start.

- Are the fuses in the fixed wiring in order? Is your machine connected to the electricity supply?
- Have you closed the door properly? If the door is not properly closed, the message
 lights up on the control panel.
- Have you set the start time preselection? Check the start time preselection (see the section on "Preselecting the start time").

☐ The message ¬¬¬ lights up, and an audible tone additionally sounds.

- The upper spray arm cannot rotate freely. Rearrange your crockery.

☐ The message ➡ lights up or flashes. The water supply is disrupted.

- Have you turned on the water tap?
- Is the strainer in the hose screw connection on the water tap choked? Check hose running. Clean the strainer if necessary.
- Is the water supply hose kinked? Check hose running (see the section on "Water supply").

\square You can hear a continuous buzzing sound (Aqua-Alarm), when your machine is switched on, and the multidisplay indicates fault $\square \exists$.

- The water protection system has responded. First turn off the water tap. Then pull out the mains plug. If you have a fixed connection: switch off the fuse(s) or unscrew the screw-in fuse(s). Call our service centre to determine the fault.
- □ The multidisplay shows a fault message, e.g. [□ ... [□] or [□ ... [□] ... [□] ... The illumination of the lettering beside the pressed programme button flashes. One or more programme steps possibly light up or flash on the programme cycle indicator.
- For fault message $f_{\mathcal{C}}$: see under fault $f_{\mathcal{C}}$.
- For all other fault messages: note the fault message and all illuminating displays and call our service centre.

If the fault message causes a programme to stop, press the programme button beside the flashing lettering. The programme will then be cycled through to the end and the water pumped out of your machine.

- ☐ The multidisplay shows fault [元]. The illumination of the lettering beside the pressed programme button flashes. The programme stops. //// lights up or flashes in the programme cycle indicator. Water drainage is disrupted!
- Is the drain hose kinked? Check hose running.
- Is the drain hose correctly run? (see the section on "Water drainage").
- Is the sink trap choked? Clean the sink trap if necessary.
 Cancelling the fault message:

When the fault is rectified, press the programme button beside the flashing lettering. The fault message will be cancelled and the programme continued.

If the fault recurs: First turn off the water tap. Then pull out the mains plug. If you have a fixed connection: switch off the fuse(s) or unscrew the screw-in fuse(s). Call our service centre to determine the fault.

☐ The message ∰ lights up.

 The strainers on the floor of your dishwasher are soiled (see the section on "Cleaning the strainers").

☐ The message 🔭 lights up.

- The machine door is not closed properly. Press the door shut.

☐ The water is not pumped away.

- Is the drain hose kinked, squashed or twisted? Please ensure correct running. (See section on "Water drainage".)
- Is the sink trap obstructed? Check the sink trap.

☐ The crockery is not clean.

- Have you selected a programme that is suitable for the type and degree of soiling of your crockery? (see "Programme chart").
- Have you arranged the crockery so that the sprayed water has access to all surfaces, both internal and external? The crockery baskets must not be overfilled (see the section on "Arranging the crockery").
- Are all strainers on the floor of your dishwasher clean? Are the strainers inserted properly (see the section on "Cleaning the strainers").
- Have you used sufficient detergent? (see the section on "Filling with detergent").
- Have you used branded detergent?
- Is the drain hose correctly run? (see the section on "Water drainage").
- Is there still special salt in the salt container? Without special salt, the water will not be softened. At water hardnesses above 4 °d, lime deposits will form on your dishes (see the section on "Filling with special dishwasher salt").
- Have you set the water softener to the local water hardness? (see the section on "Setting the water softening system").

☐ The dishes do not dry and have no sparkle.

- Have you used a branded rinse aid?
- Is there sufficient rinse aid in the dispenser? (see the section on "Filling with rinse aid").

☐ Glasses and dishes have streaks, stripes, milky blotches, or blue-coloured blooms.

 The rinse aid is being overdosed. Set a lower rinse aid dosage (see the section on "Setting the rinse aid quantity to be dosed").

☐ Glasses and dishes have dried-on water drops.

- The rinse aid is being underdosed. Set a higher rinse aid dosage (see the section on "Setting the rinse aid quantity to be dosed").
- The detergent may be the cause. Contact your detergent manufacturer's consumer services manager.

☐ Rust marks can be seen inside your machine.

- The dishwasher interior is made of stainless steel. If rust is found inside your dishwasher, this must be from another source (rust in water, from saucepans, cutlery, etc.). Remove such marks with a commercially available stainless steel cleaner.
- Have you dosed the detergent correctly? (see the section on "Filling with detergent").
- Is the lid of the salt container closed properly? (see the section on "Filling with special dishwasher salt").
- Have you set the water softener correctly? (see the section on "Setting the water softening system").

☐ Whistling noise during the dishwashing cycle.

 You may possibly need to seek a remedy by using another branded detergent. The whistling is completely harmless.

Customer service

In the section on "If you think your dishwasher is not working properly", we have listed the most important faults which you can rectify yourself.

Should you still wish to call our service centre for any of the specified faults or because the appliance is being wrongly operated, the service engineer's visit cannot be made free of charge even during the guarantee period.

Should you find no reference to a fault in the operating instructions, you should call our service centre.

When making your call, quote the PNC (product number) and S-No. (serial number) indicated on the rating plate. It is located on the RH inside edge of the door.

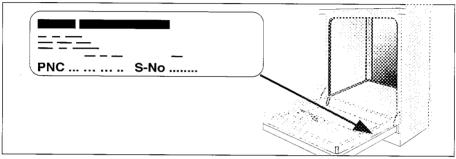


Fig. 21

To keep these numbers handy, we recommend you enter them here.

PNC S-No.

In the event of a fault, enter

- the indicators in the multidisplay
- and all other illuminating indicators on the control panel in the following screen sketch and quote them to the service centre. You specifying these details enables the service centre to make a precise identification of the spare part required so that the appliance can be repaired at the service engineer's first visit without you having to pay extra costs for repeated journeys by the service engineer.

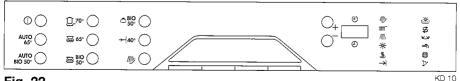


Fig. 22

Hints for test centres

The salt container for the water softener and the rinse aid container must be completely full prior to the test.

Test standard: IEC 436/DIN 44990 (prEN50 242)

65 °C Normal (detergent type A) Reference programme:

50 °C Normal BIO (detergent type B) full-load (12 standard place settings)

Detergent dosage (Type A): 5 g in lid dispenser

25 g in detergent dispenser

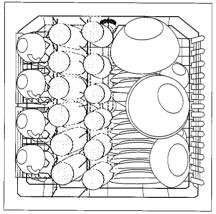
Detergent dosage (Type B): 35 g in detergent dispenser

Load: half-load (6 standard place settings)

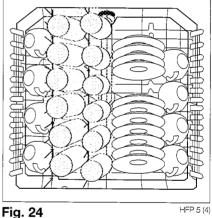
Detergent dosage: 20 g in detergent dispenser

Capacity: 12 standard place settings including serving utensils

Arrangement example: Upper basket (upper position)



HFP 4 (4) Fig. 23



Arrangement example:

Lower basket

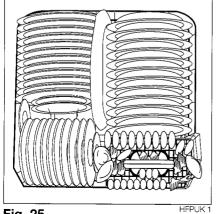


Fig. 25

Load:

GB/FU

Technical data

Capacity

12 standard place settings including serving utensils

Allowable water pressure

 $1-10 \text{ bar} = 10-100 \text{ N/cm}^2 = 0.1-1.0 \text{ MPa}$

Electrical connection

Details of the electrical connection are given on the rating plate. It is located on the RH inside edge of the door.

Dimensions

- Free-standing appliance: 85 x 60 x 60 (H x B x D in cm)
- Build-in appliances: see enclosed Installation Instructions.

Weight of a stationary unit: max. 62-kg -- - Weight of a built-in unit: max. 54 kg

CE This appliance complies with the following EC Directives:

- 73/23/EEC of 19. 02. 1973 Low-Voltage Directive:
- 89/336/EEC of 03. 05. 1989 (including Amendment Directive 92/31/EEC) EMV Directive.

Installation

Installing your dishwasher

Your dishwasher must be installed stably and horizontally (align with a spirit level) on a firm floor. The adjustable feet can be unscrewed with the spanner supplied to equalise floor irregularities and to adjust the machine height to other pieces of furniture.

If your dishwasher is installed under a continuous worktop, please note the following:

— The drain hose, supply hose, and mains lead must retain free mobility when run inside the plinth cavity. This is to prevent the hoses and lead from being kinked or squashed.

- When integrating build-under appliances able to be fitted with a decorative trim are being installed, it must be additionally ensured that the machine is firmly screwed to the continuous worktop or to the adjacent furniture. It is imperative to take this measure to quarantee the necessary tilt safety as per VDE specifications.

Depending on model, the dishwashers should be installed as follows:

Integrating machines (I-models)

To install, see the installation template supplied.

Important:

The appliance door can be lined with a wood panel/furniture panel of the following dimensions:

Width: 591 mm – 594 mm Thickness: 16 mm – 24 mm Height: depending on

recess heightplinth height

- matchup to the joint runs of adjacent furniture (e. g. drawer), though max. 600 mm.

Important note! Should the furniture panel be longer than 600 mm, the appliance door cannot be fully opened (the furniture panel bumps against the plinth). In this case, the plinth must be cut out (see installation template) or overlength door hinge kit BLT 60 used. You can obtain this under E-No. 911 239 008.

Installation

Build-under machines (U-models) and build-in machines (E-models) To install, see the installation instructions supplied.

Free-standing machines can be installed free-standing without additional fixing.

Important note: (applies only to free-standing machines with original worktop) If, for reasons of space, there is no alternative to installing your dishwasher directly next to a gas or electric cooker or coal range, you must interpose a thermally insulated. non-flammable panel (with a depth of 57.5 cm) between cooker and dishwasher. This panel should be coated with aluminium foil on the side facing the cooker.

The original worktops of free-standing machines are around 2 cm depth-adjustable. This enables the worktop to be adjusted to adjacent applicances or furniture.

- ☐ To make an adjustment, unscrew both screws from the worktop on the machine
- ☐ Slide the worktop forwards or backwards as required.
- ☐ Re-insert and tighten both screws.

Free-standing machines can be installed under a continuous worktop if the original worktop of the machine is removed.

Installing free-standing machines under a continuous worktop

☐ To do this, unscrew both screws securing the worktop to the machine back. ☐ Push the worktop back with a slight jerk and detach.

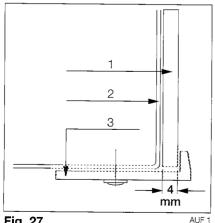
Important: The plinth of free-standing machines is not adjustable.

To match the dishwasher to the kitchen decor, free-standing machines can be provided with a decor panel.

Decor panels matching the kitchen decor must be ordered from the kitchen manufacturers. A decor frame is needed for installation. If your free-standing machine is not serially fitted with a decor frame, you can order this as a special accessory from vour specialist retailer.

Decor panel dimensions: H 590 x B 581 mm

Clamping thickness: max, 4 mm



- 1 Decor panel
- 2 Door frame
- 3 Decor frame

Fig. 27

To make sure that thin decor panels do not sag or warp, you should fix them to the machine door with double-sided adhesive tape.

Connection

Water supply

Your dishwasher has been built in accordance with the valid regulations governing water-consuming appliances and is equipped with safety devices which prevent used water from flowing back into the drinking water mains. Your dishwasher can be connected to either a cold or hot water supply of max. 60 °C.

Never connect your dishwasher to open hot water appliances and continuous flow heaters!

The supply hose is fitted with a screwed hose connection (to DIN 259) and can be connected to an outlet valve (water tap) with male thread (3/4").

Suitable washers are supplied with the machine. Do not use any washers other than these!

The nut of the screwed hose connection can be tightened by hand. If you require a supply hose which is longer than the one supplied, use only the VDE-approved complete hose kit (obtainable from our service centre) continuously and to adequate length.

Never lengthen existing hoses.

Important note! The supply hose must not be kinked, squashed, or twisted. Please ensure careful running.

To avoid reductions in water supply to the kitchen, we recommend you to install a separate tap. Failing this, fit a branch piece to the existing water tap. Additional installation expenditure (on the building side) can be reduced by use of conventional sink mixers with a connection and shutoff valve

Minimum water pressure:

1 bar (10 N/cm², 100 kPa).

If your water pressure is under 1 bar, please ask our service centre for advice.

Maximum allowable water pressure:

10 bar (100 N/cm², 1 MPa).

For a water pressure over 10 bar, a pressure-reducing valve (obtainable from your specialist retailer) must be fitted upstream.

Installation

Water drainage

Drain hose connection:

maximum allowable height: 1 metre;

minimum necessary height of 30 cm over lower edge of machine.

For extension hoses, which may be laid horizontally to max. 3 m length, the maximum allowable height of the drain hose connection is 85 cm.

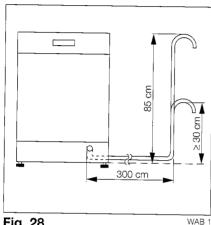


Fig. 28

Important note! The drain hose must not be kinked, squashed, or twisted. Please ensure careful running.

Sink trap connection

The hose connection (19 mm dia.) supplied with the dishwasher will fit all commonly available makes of sink trap.

The unobstructed width of the sink trap connection should not be less than 15 mm.

The drain hose must be fastened to the sink trap connection with the hose clip supplied.

Water drainage into a sink

If you want to run the drain hose on a free-standing machine into a sink, you should use an attachable hose bend. You can obtain this hose bend from your AEG service centre under spare part number ET 646 069 190. Fit the bend to the drain hose.

Important note! Make sure that the drain hose does not slip off the edge of the sink.

If you draw a string through the hole, you can also mount the bend on a wall and thus prevent it from slipping off.

Extension hoses

Suitable extension hoses can be ordered from your specialist retailer and original hoses from our service centre. The inside diameter of these extension hoses must be 19 mm to prevent any loss of machine function.

Water protection system

To protect your dishwasher from water damage, it is equipped with a water protection system.

Apart from an overflow protection, which prevents uncontrolled rising of water in the appliance, it also features an outlet protection (float switch in the floor tray). This responds in the event of any untightness in the machine.

In all cases of malfunction, the water supply is immediately interrupted and the drain pump switched on. This prevents water from either flowing out or overflowing. Any residual water in the appliance is automatically pumped away. The pump also operates even if the machine is switched off and should not be disconnected from the electricity supply.

A fault is recognised by the fact that a continuous buzzing sound can be heard when the machine is switched on.

☐ If a fault occurs, first turn off the water tap. Then switch off your machine and pull the plug out of the plug socket. If there is a fixed connection, switch off or unscrew the fuse(s).

Electrical connection

According to the technical connection conditions of the electricity companies, a fixed connection to the mains supply may only be made by an approved electrical installer.

Comply with the VDE specifications when connecting the machine and also where necessary with the additional regulations of the local electricity companies. After installation, live parts and insulated lines should not be accessible with the test finger to EN 60335/DIN VDE 0700.

Details of the electrical connection are given on the rating plate. This is located on the RH inside edge of the door. If the machine is convertible, the changeover diagram directions given on the mains junction box must also be observed.

During appliance connection, it is essential to ensure that the nominal voltage and current type specified on the rating plate are the same as the mains voltage and current type at the installation site. The necessary electrical fusing is also indicated on the rating plate.

To disconnect the dishwasher from the mains supply, pull out the plug. Should the appliance have a fixed wiring connection with the mains supply, it must be disconnected by appropriate measures on the fixed wiring side (fuses, automatic cutout, spurious current protection switch, or the like which have a contact opening width > 3 mm).

Installation

Connection technology

Water supply, water drainage, and power supply connections must always be planned from the side of the dishwasher. There is no room for them behind the machine.

The following illustrations give typical examples of how the sanitary and electrical installation can be performed under different circumstances.

These examples can only be recommendations, since the definitive factors are the circumstances at the installation site, existing connections, and any local connection specifications or regulations of the power supply or water companies.

- A Water drainage
- B Water supply
- C Shutoff valve (UP)
- C₁ Two-way valve
- D Electrical supply line
- E Electrical connection
- F 45° or straight union of 19 mm o.d. and 30 mm length
- F₁ 2 45° or straight unions of 19 mm o.d. and 30 mm length
- G Shutoff valve, e.g. integrated in fitting

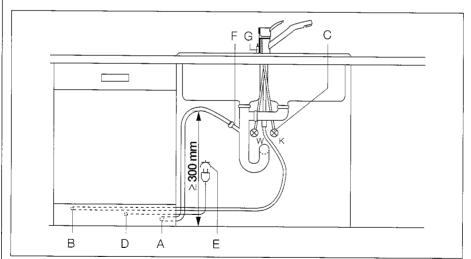


Fig. 29

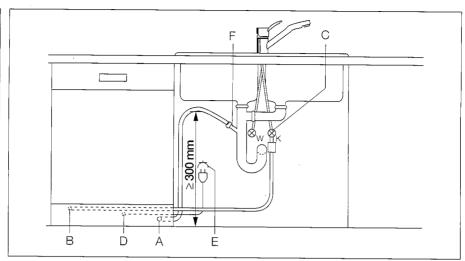


Fig. 30 AT 2(1)

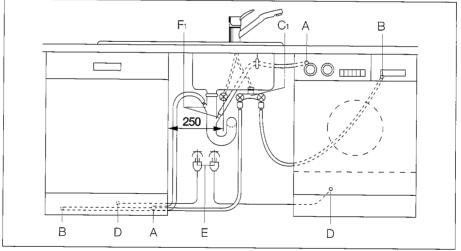


Fig. 31